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display of reduced image data

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**MPEG system which decompresses and recompresses image data before storing image data in a memory and in accordance with a resolution of a display device**

SA Carlsberg, WMA Ltd. - US Patent 5,325,424 - 1993 - Google Patents

... by said data reduction network is a function of the **image** resolution of an associated **image display** device. In a disclosed embodiment of the invention, a television receiver with an MPEG decoder is configurable for full high definition decoding and **display**, or reduced cost lower ...

Cited by 119 - Related articles - All 2 versions

**Display control apparatus for use in composite document processing apparatus**

M Tanaka - US Patent 4,924,953, 1993 - Google Patents

... within a first view-port for indicating a **display** region on the **display** means in which the **display** data on the first win- dow is displayed, and for developing the **reduced** document data in the **display** data storage means in an **image** form, thus providing a **reduced display** to the ...

Cited by 108 - Related articles - All 2 versions

**The Laplacian pyramid as a compact image code**

P Burt - Communications, IEEE Transactions on, 1983 - IEEEexplore.ieee.org

... Further **data** compression is achieved by iterating this pro- cess. The **reduced image** g, is itself low-pass filtered to yield g2 and a second error **image** is obtained: L2(Q) = g1 - g2(U). By repeating these steps several times we obtain a sequence of two-dimensional arrays L0, L ...

Cited by 3328 - Related articles - All 102 versions

[PDF] from psu.edu

**Segmented principal components transformation for efficient hyperspectral remote-sensing image display and classification**

X Jia - Geoscience and Remote Sensing, IEEE ... 1999 - IEEEexplore.ieee.org

... **data** reduction ratio and generate the three most significant components for color **display**. ... A **reduced** number of features will also accelerate the maximum likelihood classification process ... in terms of classification accuracy, speed, and quality of color **image display** using two ...

Cited by 109 - Related articles - All 2 versions - All 15 versions

[PDF] from ndsu.edu

**Electrophoretic image display with reduced drives and leads**

RB Liebert - US Patent 4,322,472, 1985 - Google Patents

... the geometry of a standard control grid 50 type of electrophoretic **image display** (EPID), such ... the SPO shift register 23 and the number of column drivers 15 are greatly **reduced**. ... What we claim: 1. An electrophoretic **display** device comprising first and second oppositely disposed ...

Cited by 132 - Related articles - All 2 versions

**Electronic still camera providing multi-format storage of full and reduced resolution images**

DW Kuchta - US Patent 5,194,331 - 1992 - Google Patents

... due to the necessity of decompression or expansion, require significant amounts of time to **display** due to size ... In keeping with the invention, the "thumbnail" or **reduced** resolution **image** is added to the ... In terms of the multi-format file, a "thumbnail" **image** is a much smaller data file ...

Cited by 142 - Related articles - All 2 versions

**Reduced-speckle display system**

EE Thompson - US Patent 5,272,473 - 1993 - Google Patents

... 17 Page 21, 5,272, 473 REDUCED-SPECKLE DISPLAY SYSTEM This application is a continuation of application Ser. No. ... 22, 1992, "Apparatus and 15 Method for **Image Projection**" by E. Earle Thompson and Thomas W. DeMont, (Continuation of Ser. Nos. ...

Cited by 242 - Related articles - All 2 versions

**Display of surfaces from volume data**

M Levoy - Computer Graphics and Applications, IEEE, 1988 - IEEEexplore.ieee.org

... Although this article focuses on **display** of surfaces, the same pipeline can easily be ... By resampling separately in each of three orthogonal directions, computational expense is **reduced**. ... to omit the third pass entirely, com- posing transformed 2D slices together to form an **image**. ...

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[PDF] from psu.edu

**Weighted mapping of image data samples to pixel sub-components on a display device**

W Hill, M Duggan, LB Keely Jr. - US Patent 5,331,001 - 1994 - Google Patents

... (45) Date of Patent: "May 29, 2001 (54) WEIGHTED MAPPING OF **IMAGE DATA SAMPLES TO PIXEL SUB-COMPONENTS ON A DISPLAY DEVICE** (75) Inventors: William Hill, Carnation; Michael Duggan, Kirkland, both of WA (US); Leroy B. Keely, Jr., Portola Valley, CA (US) ...

Cited by 112 - Related articles - All 2 versions

**Variance-based color image quantization for frame buffer display**

SJ Wain, P Pilzankiewicz - Order Processing & ..., 1980 - Wiley Online Library

... of them can be displayed simultaneously." Thus, if the number of colors in the original **image** exceeds K, it must be **reduced** to K before **image display**. This process has been referred to as color **image** quantization.2 although the term color compression might be more suitable ...

Cited by 158 - Related articles

[BOOK] **JPEG still image data compression standard**

WP Pennebaker, ... - 1993 - books.google.com

... x JPEG: STILL **IMAGE DATA COMPRESSION STANDARD** 14.10 Robustness of estimators versus

refinement of models 3 249 14.11 Other estimation ... bitrate VQ enhanced decoding 3 264 16.3  
An approximate form of adaptive quantization 3 264 16.4 Display-adjusted decoding ...  
Cited by 2,640 - Related articles - Library Search - All 5 versions

### High-speed ultrasound volumetric imaging system. II. Parallel processing and image display

OT 666 Raman, SW Simon, ... and Frequency Control, ... 1991 - IEEE/ACM Press  
... Thus, perspective is included in this **display** as a depth cue. As in B-scans, echoes from distant targets are **reduced** because of *is*-tenuation and diffraction effects ... Images: An interesting feature of all ultrasound scanning is the ability to suppress unwanted **image data** simply by ...  
Cited by 174 - Related articles - All 2 versions

### Liquid crystal display with reduced power dissipation and/or reduced vertical striped shades in frame control and control method for same

H Maysman - US Patent 5,780,032, 1998 - Google Patents  
... of a sequence of to serve as a screen for displaying a transient scene of an positive integers, to provide a flicker-less high quality **image** extent of an original **image**. in a frame with a **reduced** number of undesirable horizontal in the conventional **display** described, a ...  
Cited by 50 - Related articles - All 2 versions

### Mapping image data samples to pixel sub-components on a striped display device

W Hill, M Duggan, LB Keely Jr - US Patents ..., 2001 - Google Patents  
... 17,2001 (54) MAPPING IMAGE DATA SAMPLES TO PIXEL SUB-COMPONENTS ON A STRIPED DISPLAY DEVICE (75) Inventors: William Hill, Camation; Michael Duggan, Kirkland, both of WA (US); Leroy B. Keely, Jr., Portola Valley, CA (US); Gregory C. Hitchcock, Woodinville ...  
Cited by 161 - Related articles - All 2 versions

### SLM display data address mapping for four bank frame buffer

JB Farnham - US Patent 6,741,505, 2004 - Google Patents  
... result is fewer overhead cycles, which makes faster load times possible, as well as **reduced** manufacturing time ... 1 illustrates the very basic design of an SLM-based **display** system 10. ... Raw **image data** is received from a source, such as a computer memory or video or TV signal. ...  
Cited by 156 - Related articles - All 2 versions

### Image display apparatus

K Pita - US Patent 5,172,103, 1992 - Google Patents  
... Therefore, in a conventional **image display** apparatus, even if a plurality of original **image data** to be displayed have a constant pixel size in units of original **image data**, images are displayed while being **reduced** or enlarged in 25 proportion to the **display** sizes (inch sizes) of ...  
Cited by 44 - Related articles - All 2 versions

### Multigap liquid crystal color display with reduced image retention and flicker

ES Heim - US Patent 5,802,145, 1999 - Google Patents  
... COLOR DISPLAY WITH REDUCED IMAGE RETENTION AND FLICKER (75) Inventors: Elias S. Heim, Gentile, Ariz.; Tomoko Sumita, Miki, Japan (73) Assignee: Honeywell Inc., Minneapolis, Minn. [21] Appl. No. 864,102 [22] Filed: Oct 16, 1992 Related US Application Data [63] ...  
Cited by 34 - Related articles - All 2 versions

### Three dimensional data display method utilizing view point tracing and reduced document images

A Aoki, S Suzuki, Y Asano, A Ono, Y Ohashi, ... - US Patent ..., 2001 - Google Patents  
... OF CREATION, SIZE, DATA FORMAT, POINTER TO REDUCED IMAGE, DATA PARTITION, & POINTER TO APPLICATION PROCESSING SECTION AND 11 5 3 2 COMPUTE THICKNESS MAGNIFICATION GENERATE DATA MODEL DISPLAY REDUCED IMAGE ON DISPLAY ...  
Cited by 58 - Related articles - All 2 versions

### Image display and archiving system and method

DA Dwyer, JE Harvay, PE Curry, ... - US Patent ..., 1986 - Google Patents  
A NEW ALBUM 111 TITLE OF ALBUM IS ASSIGNED BY DATA AND TIME ... IMAGE FILES COPY TIME, DATE, /J SERIAL NUMBER, AND COMMENTS FOR IMAGE TO HARD ... COUNT & RUN SCREEN SAVER, BRING UP IDS MENU AND DISPLAY COMPLETION MESSAGE ...  
Cited by 183 - Related articles - All 2 versions

### Liquid crystal display device which regulates display of frame image data and operation of backlight unit to reduce power consumption

Y Kawasumi, ... - US Patent 6,612,149, 1996 - Google Patents  
... unit is turned off, so that consumption power of the liquid crystal **display** device can be **reduced**.  
45 What is claimed is: 1. A liquid crystal **display** device comprising: a **display** portion; memory means for storing at least continuous first and second frame **image data**; 50 comparing ...  
Cited by 29 - Related articles - All 2 versions

### Display apparatus

K Kuga - US Patent 5,816,940, 1997 - Google Patents  
... the driver circuit 6 so predetermined value and a second predetermined value that a part of the **image data** is displayed ... the changeover between the enlarged **image** the high-speed scrolling are performed according to the **display** and the **reduced image display** is made in ...  
Cited by 43 - Related articles - All 2 versions

### [PDF] Clinical applications of cone-beam computed tomography in dental practice

W, Scarre, AG Farnsworth, ... - Journal-Craniofacial Dental ..., 2006 - cda-arc.co  
... This provides the clinician with the opportunity to use chair-side **image display**, real-time analysis ... Because the CBCT volumetric **data** set is isotropic, the entire volume can be ... **Reduced image** artifacts: With manufacturers' artifact suppression algorithms and increasing number of ...  
Cited by 202 - Related articles - View all 1338 - All 28 versions

[PDF] from cda-arc.co

### Image data compression: A review

AP, John. Proceedings of the IEEE, 1961. <eexplore.ieee.org>

... Application of **data** compression is also possible in the development of fast algorithms where the number of operations required to im- plement an algorithm is **reduced** by working with the com- pressed **data**. **Image** data compression methods can be classified in two basically ...

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#### Vibratory tactile display of image-based textures

Y. Imai, K. Wakamatsu. ... IEEE Computer Graphics and ..., 1997. <computer.org>

... We **reduced image** brightness to 10 levels, including zero level. Each pin of the tactile **display** was driven at the **image's** intensity level. We used two categories of **image data**: images consisting of patterns small relative to fingertip size, and images containing patterns larger than ...

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#### Image display device with plural data driving circuits for driving the display at different voltage magnitudes and polarity

Y. Kubota, H. Yoneda. ... US Patent 5,749,183, 1998. <Google Patents>

... **voltages** of the **data** signal line driving circuits may be lowered. As a result, the power consumption of the **image display** device may be saved, and the withstand voltage of the constituent elements can be lowered. Thus, manufacturing cost and operating cost can be **reduced**. ...

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#### Optical scanning device an optical scanning type display and an image data input/output device

Y. Izumi. ... US Patent 5,432,385, 1995. <Google Patents>

... of the present invention to provide an optical scanning device in which a number of a LD 20 used is **reduced**, and its cost becomes cheap and a mini- aturization of the device is realized, and moreover to provide an optical scanning type **display**, an **image data** input/output ...

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#### Remote Image exploitation display system and method

DM Source. ... US Patent 5,613,051, 1997. <Google Patents>

... resolution generating means for creating plural, 60 successively **reduced** resolution sets of digital **data** from said first set of digital **data**; a digital storage means for storing said first set of digital **data** and said **reduced** resolution sets of digital **data**; **image display** means remote ...

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#### [PDF] Electronic display system for computational holography

PS Hsiang, SA Benzon, M Lohme, ML Jensen. ... Proc. SPIE, 1990. <Citeseer>

... Third the resolution of the **image** is **reduced** to the visual limit or the resolution of the ... The present holographic video system is capable of a horizontal-parallax-only holographic **image**, with 64 vertical ... can be used to store the CGH while being read out to the **display** apparatus. ...

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[\[PDF\] from IJDA](#)

#### Multiple Image processing and display system

I. Aikawa. ... US Patent 5,047,384, 1991. <Google Patents>

... Therefore, in order to **display** a size-**reduced** sub-frame **image**, the time axis should be changed beforehand. ... 8a, to reduce the vertical direc- tion by J, the scan lines 8-2a, 8-26 of an **image** 8-1 picked up with an **image** pickup device are thinned every sec- ond scan line. ...

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#### Image display and remote control system capable of displaying two distinct images

JB Sprague. ... US Patent 5,498,122, 2002. <Google Patents>

... via the remote control. As used herein the term "**image**" should be construed to include any present and future types of **data** capable of **display**. Video or graphics **data** are considered to be types of **image data**. 60 The term "**image** ...

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display of reduced image data

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